



VAL-U-LOK

TE Internal #: 2-1586018-4
24 Position, Plug, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 4.2 mm [.165 in] Centerline, 2 Row, 600 VAC, Wire & Cable, Power & Signal

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Wire-to-Panel, Wire-to-Wire**
Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Insertion Force	15 Newton
Number of Positions	24
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	White
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Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Panel Mount
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Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Material	Nylon

Dimensions

Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Connector Width	23.9 mm[.94 in]
Connector Height	9.6 mm[.378 in]
Connector Length	51.6 mm[2.031 in]
Row-to-Row Spacing	4.2 mm[.165 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	208567
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

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Packaging Quantity	400
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 2-1969614-4
24P RCPT VAL-U-LOK V0



TE Part # 2-1586019-4
24P RCPT VAL-U-LOK V0

Customers Also Bought





TE Part #CAT-T3437-R819
RPS Commercial Grade Sleeves



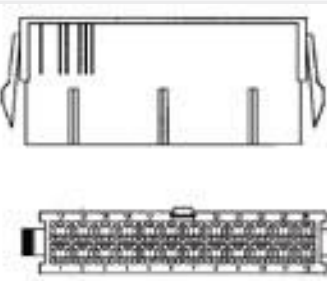
TE Part #31886
PIDG R 22-16 COMM 22-18 MIL 8



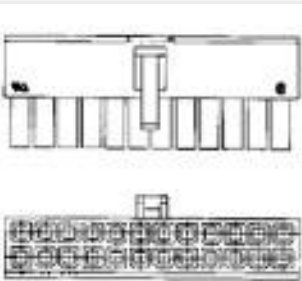
TE Part #5-640428-0
20P MTA156 CONN ASSY 22AWG RED



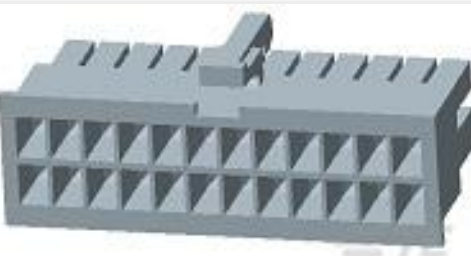
TE Part #745254-2
20DF PIN CONTACT, PLATED



TE Part #2-1586018-0
20P PM PLUG VAL-U-LOK V0



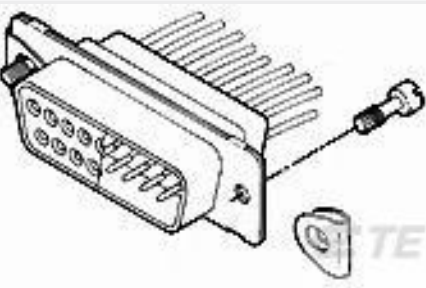
TE Part #1-1586019-2
12P RCPT VAL-U-LOK V0



TE Part #2-1969603-4
24P RCPT VAL-U-LOK GW



TE Part #5205208-1
CRIMP SNAP PLUG ASSY, 25 POS



TE Part #5205980-3
SCREW RETAINER KIT, BULK PKG

Documents

Product Drawings

24P PM PLUG VAL-U-LOK V0

English

CAD Files

Customer View Model

ENG_CVM_2-1586018-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_2-1586018-4_A.3d_stp.zip

English

Customer View Model

ENG_CVM_2-1586018-4_A.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English